



State of Utah

Department of  
Environmental Quality

Dianne R. Nielson, Ph.D.  
*Executive Director*

DIVISION OF AIR QUALITY  
Richard W. Sprott  
*Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY HERBERT  
*Lieutenant Governor*

DAQE-IN3002002-02

August 28, 2006

David Cummings  
DC Transport & Excavating Inc  
3650 W Hwy 248  
Kamas, Utah 84036

Dear Mr. Cummings:

Re: Intent to Approve: Modification to Approval Order DAQE-AN3002001-04 to Add Equipment and Increase Production Limits, Summit County – CDS B; ATT; NSPS; Title V Minor  
Project Code: N3002-002

The attached document is the Intent to Approve (ITA) for the above-referenced project. ITAs are subject to public review. Any comments received shall be considered before an Approval Order is issued.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. Tom Bradley. He may be reached at (801) 536-4014.

Sincerely,

C.C. Patel, P.E., Manager  
Minor New Source Review Section

CCP:TJB:kw

cc: Summit County Public Health Department

**STATE OF UTAH**

**Department of Environmental Quality**

**Division of Air Quality**

**INTENT TO APPROVE: Modification to Approval  
Order DAQE-AN3002001-04 to Add Equipment  
and Increase Production Limits**

**Prepared By: Tom Bradley, Engineer  
(801) 536-4014  
Email: tjbradley@utah.gov**

**INTENT TO APPROVE NUMBER**

**DAQE-IN3002002-06**

**Date: August 28, 2006**

**DC Transport & Excavating Inc**

**Source Contact  
David Cummings  
(435) 783-3022**

**Richard W. Sprott  
Executive Secretary  
Utah Air Quality Board**

### *Abstract*

*DC Transport & Excavating, Inc., operator of the aggregate plant located in Brown's Canyon, Highway 248, four miles west of US Highway 189, two miles north of US Highway 40, Summit County requests to add equipment and increase the aggregate production limits. Summit County is an attainment area of the National Ambient Air Quality Standards (NAAQS) for all pollutants. New Source Performance Standards (NSPS), 40 CFR 60 Subpart OOO apply to this source. National Emission Standards for Hazardous Air Pollutants (NESHAP), and Maximum Available Control Technology (MACT) regulations do not apply to this source. Title V of the 1990 Clean Air Act does apply to this source.*

*The emissions (in tons per year) will change as follows:  $PM_{10}$  = (+) 3.20,  $NO_x$  = (-) 4.31,  $SO_2$  = (+) 2.92,  $CO$  = (+) 20.24,  $VOC$  = (+) 6.15*

*The changes in emissions will result in the following, in tons per year, potential to emit totals:  $PM_{10}$  = 8.10,  $NO_x$  = 24.60,  $SO_2$  = 4.83,  $CO$  = 26.47,  $VOC$  = 8.45*

The Notice of Intent (NOI) for the above-referenced project has been evaluated and has been found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an Approval Order (AO) by the Executive Secretary of the Utah Air Quality Board.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notice of intent to approve will be published in the Summit County Bee on September 1, 2006. During the public comment period the proposal and the evaluation of its impact on air quality will be available for both you and the public to review and comment. If anyone so requests a public hearing it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated.

Please review the proposed AO conditions during this period and make any comments you may have. The proposed conditions of the AO may be changed as a result of the comments received. Unless changed, the AO will be based upon the following conditions:

#### **General Conditions:**

1. This Approval Order (AO) applies to the following company:

##### Site Office

DC Transport & Excavating, Inc.  
3650 West Highway 248  
Kamas, UT 84036

Phone Number (435) 783-3022  
Fax Number (435) 783-3024

The equipment listed in this AO shall be operated at the following location:

Street address & UTM's

Utah Highway 248 in Brown's Canyon, four miles west of US Highway 189, two miles north of US Highway 40, Summit County

Universal Transverse Mercator (UTM) Coordinate System: UTM Datum NAD27  
4,507.08 kilometers Northing, 465.20 kilometers Easting, Zone 12

2. All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307) and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in these AO conditions refer to those rules.
3. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.
4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved in accordance with R307-401.
5. All records referenced in this AO or in applicable NSPS, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request. Records shall be kept for the following minimum period of five years.
6. DC Transport & Excavating, Inc. shall conduct its operations of the Brown's Canyon aggregate plant in accordance with the terms and conditions of this AO submitted to the Division of Air Quality (DAQ) on July 7, 2006
7. This AO shall replace the AO (DAQE-AN3002001-04) dated October 26, 2004.
8. The approved installations shall consist of the following equipment or equivalent\*:
  - A. Impact Crusher – 250 tph Pegason Trackpactor 428 – Unit ID PS-6
  - B. Screen – 250 tph Chiefton 1800 Screen – Unit ID PS-7
  - C. Cone Crusher – 150 tph El Jay 45 inch Cone - Unit ID PS-8
  - D. Track Screen – 150 tph Cheifton 1400 Screen - Unit ID PS-5
  - E. Impact Crusher – 250 tph Pegason Trackpactor 428 – Unit ID PS-10
  - F. Screen – 250 tph Chiefton 1800 Screen – Unit ID PS-11
  - G. Cone Crusher – 150 tph El Jay 45 inch Cone - Unit ID PS-13
  - H. Generator - 275 Kw Caterpillar 3406/320SK - Unit ID GN-3R
  - I. Generator - 275 Kw Caterpillar 3456 - Unit ID GN-4R
  - J. Various Conveyors

\* Equivalency shall be determined by the Executive Secretary.

9. DC Transport & Excavating, Inc. shall notify the Executive Secretary in writing when the installation of the equipment listed in Condition #8 has been completed and is operational, as an initial compliance inspection is required. To insure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

If the construction and/or installation has not been completed within eighteen months from the date of this AO, the Executive Secretary shall be notified in writing on the status of the construction and/or installation. At that time, the Executive Secretary shall require documentation of the continuous construction and/or installation of the operation and may revoke the AO in accordance with R307-401-18.

### **Limitations and Tests Procedures**

10. Visible emissions from the following emission points shall not exceed the following values:

- A. All crushers - 15% opacity
- B. All screens - 10% opacity
- C. All conveyor transfer points - 10% opacity
- D. All diesel engines - 20% opacity
- E. Conveyor drop points - 20% opacity
- F. All other points - 20% opacity

Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9.

For sources that are subject to NSPS, opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9.

11. Visible emissions from any stationary point or fugitive emission source associated with the source or with the control facilities shall not exceed 20% opacity. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.

For sources that are subject to New Source Performance Standards (NSPS), opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9.

12. The following production limits shall not be exceeded:

750,000 tons of processed aggregate per rolling 12-month period  
200,000 of bank run material processed per rolling 12-month period  
6,000 hours of operation per rolling 12-month period

To determine compliance with a rolling 12-month total, the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. Records of consumption/production shall be kept for all periods when the plant is in operation. Production shall be determined by DC Transport & Excavating, Inc. The records of production shall be kept on a daily basis. Hours of operation shall be determined by supervisor monitoring and maintaining of an operations log.

### **Roads and Fugitive Dust**

13. Visible fugitive dust emissions from haul-road traffic and mobile equipment in operational areas shall not exceed 20% opacity. Visible emission determinations for traffic sources shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Six points, distributed along the length of the haul road or in the operational area, shall be chosen by the Executive Secretary or the Executive Secretary's representative. An opacity reading shall be made at each point when a vehicle passes the selected points. Opacity readings shall be made 1/2 vehicle length or greater behind the vehicle and at approximately 1/2 the height of the vehicle or greater. The accumulated six readings shall be averaged for the compliance value.
14. DC Transport & Excavating, Inc. shall abide by all applicable requirements of R307-205 for Fugitive Emission and Fugitive Dust sources.

### **Fuels**

15. The owner/operator shall use #2 diesel fuel in the various power generator engines.

### **Federal Limitations and Requirements**

16. In addition to the requirements of this AO, all applicable provisions of 40 CFR 60, New Source Performance Standards (NSPS) Subpart A, 40 CFR 60.1 to 60.18 and Subpart OOO, 40 CFR 60.670 to 60.676 (Standards of Performance for Non-metallic Mineral Processing Plants) apply to this installation.

### **Records & Miscellaneous**

17. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this Approval Order, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on the information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on the equipment authorized by this AO shall be recorded.
18. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.
19. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality. The Utah Administrative Code R307 rules used by DAQ, the Notice of Intent (NOI) guide, and other air quality documents and forms may also be obtained on the Internet at the following web site:

<http://www.airquality.utah.gov/>

The annual emissions estimations below include point source, fugitive emissions, fugitive dust, and road dust, and do not tail pipe emissions and grandfathered emissions etc. These emissions are for the purpose of determining the applicability of Prevention of Significant Deterioration, non-attainment area, Maintenance area, and Title V source requirements of the R307. They are not to be used for determining compliance.

The Potential To Emit (PTE) emissions for this source are currently calculated at the following values:

	<u>Pollutant</u>	<u>Tons/yr</u>
A.	PM <sub>10</sub> .....	8.10
B.	SO <sub>2</sub> .....	4.83
C.	NO <sub>x</sub> .....	24.60
D.	CO .....	26.47
E.	VOC .....	8.45

The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the final Approval Order.

Sincerely,

C.C. Patel, P.E., Manager  
Minor New Source Review Section